



Western Cape
Government

FOR YOU

Department of Local Government

MUNICIPAL ENERGY SUPPORT

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Head of Department
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Municipal Energy Support

4 Projects...

Electricity Master Plans

Financial assistance to municipalities to ensure effective planning and functioning of municipal electrical infrastructure.

Solar PV

To pilot renewable energy solutions in municipalities,

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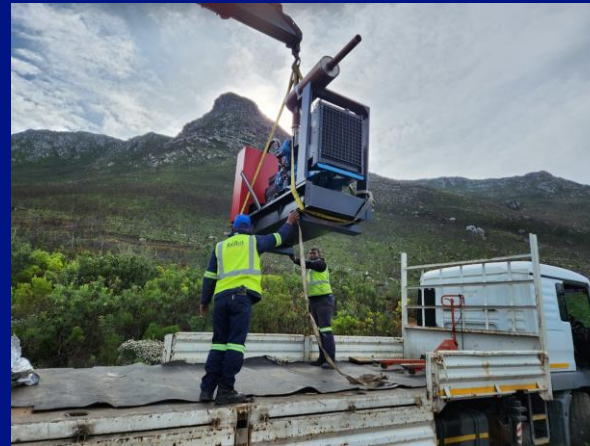
Dedicated engineering capacity

To expedite the energy programmes through the provision of additional dedicated capacity in the Department.

Generators

To ensure continued operation of critical municipal infrastructure

Province responded by introducing a medium-term solution –
(Generators for critical water and wastewater Infrastructure)



Response to mitigate the Risk in Municipalities: Motivation

- **The Provincial Government, The Department must support and strengthen the capacity of Municipalities.** (Section 154 of the Constitution)
- **Several actions are being undertaken by DLG to support municipalities**
 - Technical advisory services
 - Deployment of engineers to assist municipalities on a semi-permanent basis
 - Deployment of engineers to undertake status assessments and develop action plans, in collaboration with the District and other stakeholders
 - Assessment of key installations & Facilitation of partnerships
- **Provincial Strategy adopted to address the following:**
 - Demand Management
 - Supply Management
 - Management Strategies

**Based on interventions by DLG and
experiences on the ground–
Generators urgently required.**

Total Amount Requested in terms of Section 25 of the PFMA

- **All Municipalities have compiled generic or technical scope of works in relation to the acquisition of generators**
 - DLG engineers to assist
- **Funding will be transferred to municipalities with conditions.**
 - To be managed by DLG via a signed TPA
- **Receiving municipality will be responsible for establishment, installation, testing, operations, diesel.**

R88,815 million

Section 25 of the PFMA

Allocations to Local Municipalities

- **DLG undertook operational and technical assessments at all municipalities to identify the most strategic and critical potable water supply and domestic waste-water disposal installations.**
- Municipalities identified and registered their need with associated funding to procure generators to supplement energy to these installations

Approved for Transfer

Local Municipality	Required generator (s)	Total Allocation (R)
Swartland	10	10,945,000
Matzikama	3	1,050,000
Cederberg	5	1,600,000
Bergrivier	2	3,600,000
Saldanha Bay	3	2,950,000
Witzenberg	2	475,000
Drakenstein	2	6,000,000
Stellenbosch	10	6,175,000
Breede Valley	3	950,000
Langeberg	2	350,000
Theewaterskloof	2	1,800,000
Overstrand	7	6,700,000
Cape Agulhas	1	350,000
Swellendam	4	1,360,000
Kannaland	5	1,075,000
Hessequa	6	3,800,000
Mossel Bay	2	5,000,000
George	4	14,220,000
Oudtshoorn	17	4,665,000
Bitou	3	5,600,000
Kynsna	4	2,400,000
Beaufort West	2	1,115,000
Laingsburg	1	60,000
Prince Albert	1	175,000
Sub-total		R82,415,000

Allocations to District Municipalities

- Not all water and wastewater installations in local municipalities have been considered in the proposal - focus on strategic and key installations.
- Logical conclusion is that minimum roaming back-up generators be kept by District Municipalities in the event of emergency situations.
- The District (asset owner) will be responsible for all maintenance and transport costs, while the using municipality will fund the diesel
 - MOA to be entered into between Districts and Locals to guide this arrangement
 - Based on trends that have emerged and consultations – roaming generators are proposed for municipalities.

District Municipality	Required generator (s)	Total Allocation (R)
West Coast	2	1,900,000
Cape Winelands	1	950,000
Overberg	2	1,600,000
Garden Route	3	1,600,000
Central Karoo	1	350,000
Sub-total		R6,400,000

**Approved for
Transfer**

- Allocation of R88.815 million transferred to 29 municipalities
- The following **10 municipalities have spent 100%** of their allocation to procure required generators

- Matzikama
- Saldanha Bay
- West Coast
- Drakenstein
- Breede Valley
- Theewaterskloof
- Cape Agulhas
- Kannaland
- Bitou
- Beaufort West



**Total expenditure of Grant
as at 30 June 2023: 42.7%**

- **Seven (7) municipalities have awarded their tenders** and await delivery
- **4 still in the SCM process**, while the rest concluded their SCM processes and are in various stages on



**Financial assistance to municipalities to ensure effective
planning and functioning of municipal electrical infrastructure.
(Electrical Master Plans)**

Municipal Energy Planning Support: Electricity Master Plans

- **Electricity Master Plans** assists municipalities with effective planning and functioning of their electrical infrastructure
 - Essential in support of the implementation of renewable energy and energy resilience projects, and to maximise the provision of basic electricity to citizens
 - Prerequisite for effective municipal participation and beneficiation from the Provincial Integrated Energy Resource Plan.
- The planning support involve the development of new or update of Electrical Master Plans (EMPs),
 - **Foundational Studies:** Electrical Cost of Supply Studies (CoSS) for NERSA Approval, Mini-integrated Resource Plans (IRPs) and Renewable Energy Project Development which is required to unlock private sector interest in wheeling as well as for municipal Independent Power Producer (IPP) procurement.
- The municipal energy planning programme has been rolled out according to a structured plan since 2015 and in recent years it's been complemented by the former Municipal Energy Resilience Programme (MER)

Electricity Master Plans – a phased strategy of Implementation

Municipalities	Financial Years								
	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Beaufort West	450,000								600,000
Prince Albert	250,000								400,000
Laingsburg	250,000								
George		730,000							
Kannaland		300,000							
Cape Agulhas		500,000							
Hessequa			600,000						
Cederberg			797,000						
Oudtshoorn				617,000					
Saldanha Bay				452,239					
Swellendam				350,000					
Swellendam					1,000,000				
Knysna					490,000				
Langeberg						770,000			
Bitou						800,000			
Mossel Bay							603,000		
Overstrand							1,000,000		
Saldanha Bay								800,000	
Drakenstein								800,000	
Drakenstein									800,000
Swartland									680,000
Theewaterskloof									500,000
Bergamere									500,000
Totals	950,000	1,530,000	1,397,000	1,419,239	1,490,000	1,570,000	1,603,000	1,600,000	3,480,000

Electricity Master Plans: Allocations and Current Status

- Six municipalities have been identified for Electrical Master Plan (EMP's) updates in line with the departmental priority list for the 2023/24 Municipal Financial Year :
 - Bergrivier
 - Theewaterskloof
 - Prince Albert
 - Beaufort West
 - Swartland
 - Drakenstein
- **The Gazette with the funding allocations has been drafted once published, funding allocations will be transferred.**

Total allocation for Municipal Energy Planning Support: R3,480,000



Solar PV with Battery Energy Storage System



Solar PV and Containerized BESS (Battery Energy Storage System)

Purpose: To pilot the use of a solar PV array and BESS solution to mitigate the effects of loadshedding up to stage 4

Progress to date	
6 Potential pilot municipalities identified based on criteria	Action Complete
Provincial engineers and planners conducted site visits to all potential pilot municipalities to determine implementation readiness	Action Complete
Outcome: A phased implementation approach has been adopted - 6 municipalities in 3 phases (2 municipalities per phase based on the assessment criteria)	Action complete
The 2 municipalities in Phase 1: developed technical specifications and advertised as an RFI to test the market – advertised for 14 days and closed on 28 July 2023.	RFI bids are in the process of being assessed
Phase 1 Municipalities to commence with EIA processes	In process of appointing service providers

To expedite the energy programmes through the provision of additional dedicated capacity to support municipalities

Resourcing the Energy Team

- To provide additional dedicated capacity in the Department to expedite the roll-out of the above-mentioned programmes
- The team will comprise engineers and technicians
- Recruitment and selection started

Thank you